

GRAND-C610

Hyper converged High-performance Computing, Virtualization, Storage, and Application server in one chassis for streamlined efficiency and manageability.



Features

- Double Server, support Intel® Xeon® E5-2600 v3
- 16 x DIMM Slots, up to 1TB memory with 16 x 64GB DIMMs
- 4 x PCIe slot can support 40GbE network card
- Storage expandable, up to 1PB
- IPMI Remote Management
- 10GbE network card support ready



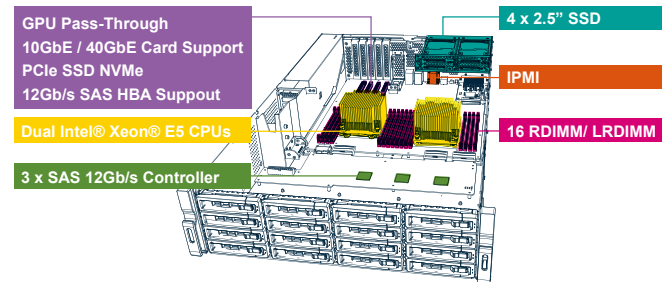
Server-grade Hardware Design Robust, Reliable & Innovative

Suited for enterprise environments which demand the highest performance, simplified IT management, uninterrupted service, and optimized virtualization environments, the GRAND-C610 is designed with high-standard hardware specifications to meet those needs.

Hyperconverged Storage Server

High Computing and Storage Server

- High-performance application server based on dual Intel® E5 CPU
- VMware®, Citrix®, or Windows Hyper-V: for virtualization deployment
- Storage server: This component is used to mount storage using iSCSI/NFS for the application server
- High-speed connection: 10GbE or 40GbE



Specifications

Model	GRAND-C610-20C
CPU	FCLGA2011-3 sockets-support Xeon® E5-2600 v3 family
Memory (RAM)	System memory: RDIMM / LRDIMM Total memory slots: 16 Memory expandable up to: 1 TB (64 GB x 16)
USB 2.0 / 3.0	4 x USB 3.1 Gen 1 (5Gb/s)
Internal Hard Drive and Type	16 x 3.5" SAS (12Gbps/6Gbps) / SATA (6Gbps/3Gbps) HDDs or 2.5" SAS/SATA SSD 4 x 2.5" SAS (12Gbps) SSD or SAS/SATA (6Gbps/3Gbps) SSD
Max. Raw Capacity	128 TB
Interface	SAS 12Gb/s backward-compatible to SAS/SATA 6Gb/s
Ethernet	2 x GbE
PCIe slot	4 (3 x PCIe Gen3 x8, 1 x PCIe Gen3 x16)
Cache	M.2 Gen.2 x4
Form Factor	3U, Rackmount
Dimensions (H x W x D)	88 x 442.5 x 530.5 mm
Power	650W (Redundant)
Fan	Smart Fan 4 (6cm 12V DC)
Weight (Net/Gross) kg	Net (NAS): 22.42 kg / 49.43 lb Gross (with accessories and package): 30.19 kg / 66.56 lb
Noise	Sound Pressure Level (LpAm): 64.8 dB
Power Consumption	Sleep mode: 254.21 W In Operation: 362.86 W

Options

Item	Order P/N	Description
Network card	LAN-40G2SF-MLX	Dual-port 40GbE QSFP+ network expansion card
Network card	LAN-10G2SF-MLX	Dual-port 10GbE SFP+ network expansion card
Network card	LAN-10G2T-X550	Dual-port 10GBASE-T network expansion card
USB card	USB-U31A2P01	USB 3.1 Gen 2 10Gbps Type-A dual-port PCIe card
SAS Card	SAS-12G2E	Dual port storage expansion, SAS 12Gbps
Rail kit	RAIL-A03-57	A03 series (Chassis) slide, Maximum load 57 kg
Cable	CAB-SAS10M-8644	MiniSAS Cable (SFF-8644 to SFF-8644), 1.0m
	CAB-SAS05M-8644	MiniSAS Cable (SFF-8644 to SFF-8644), 0.5m
CPU	Intel® Xeon® Processor E5-2620 v3	Intel® Xeon®, 2.4 GHz, 0.65V~1.30V, 85W, 15MB(L3), FCLGA, 2011pin, 22nm, CM8064401831400 SR207, LGA 2011-3 Socket, R2, Haswell, Intel® Xeon® Processor E5-2620 v3, RoHS
	Intel® Xeon® Processor E5-2630 v3	Intel® Xeon®, 2.4 GHz, 0.65V~1.30V, 85W, 20MB(L3), FCLGA, 2011pin, 22nm, CM8064401831000 SR206, LGA2011-3 Socket, R2, Haswell, Intel® Xeon® Processor E5-2630 v3, RoHS
	Intel® Xeon® Processor E5-2640 v3	Intel® Xeon®, 2.6 GHz, 90W, 20MB(L3), FCLGA, 2011pin, 22nm, CM8064401830901 SR205, LGA2011-3 Socket, R2, Haswell, Intel® Xeon® Processor E5-2640 v3, RoHS

Ordering Information

Part No.	Description
GRAND-C610-20C-R10	3U 16Bay front 3.5", 4bay rear 2.5" HDD or SSD support, rackmount storage server (Barebone), with 650W redundant PSU, RoHS

*Pre-install CPU & Memory by Request

Packing List

Ethernet cable x 2	Flat head screws (for 2.5" HDD)
Power cord x 2	Flat head screws (for 3.5" HDD)